



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Himanshu BRAHMBHATT et al.

Title: PHARMACEUTICALLY
COMPATIBLE METHOD FOR
PURIFYING INTACT
BACTERIAL MINICELLS

Appl. No.: 10/602,021

Filing Date: 6/24/2003

Examiner: Unassigned

Art Unit: 1744

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.



TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Stephen A. Bent

Reg No. 34,717

Date

March 16, 2004

By

FOLEY & LARDNER LLP

Customer Number: 22428

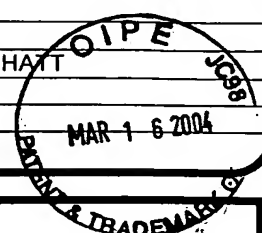
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: March 16, 2004 (use as many sheets as necessary)				Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/602,021</td> </tr> <tr> <td>Filing Date</td> <td>06/24/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Himanshu BRAHMBHATT</td> </tr> <tr> <td>Group Art Unit</td> <td>1744</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>060348-0104</td> </tr> </table>		Application Number	10/602,021	Filing Date	06/24/2003	First Named Inventor	Himanshu BRAHMBHATT	Group Art Unit	1744	Examiner Name	Unassigned	Attorney Docket Number	060348-0104
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1	WO	03/033519	A2	BRAHMBHATT, Himanshu	04-24-2003		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A2	BRAHMBHATT, Cloning and Molecular Characterization of the rfb Gene Cluster from Salmonella typhimurium LT2, Thesis, University of Adelaide, S. Australia, July 1987	
	A3	Britton et al., "Characterization of a prokaryotic SMC protein involved in chromosome partitioning," Genes Dev., 1998, pp. 1254-1259, Vol. 12, Cold Spring Harbor Laboratory Press	
	A4	Clark-Curtiss et al., Analysis of Recombinant DNA Using <i>Escherichia coli</i> Minicells, Methods in Enzymology, 1983, pp. 347-363, Vol. 101, Academic Press, NYC, USA	
	A5	De Boer et al., Roles of MinC and MinD in the site-Specific Septation Block Mediated by the MinCDE System of <i>Escherichia coli</i> , Journal of Bacteriology, Jan. 1992, pp. 63-70, Vol. 174, No. 1, American Society for Microbiology	
	A6	Dorward et al., Export and Intercellular Transfer of DNA via Membrane Blebs of <i>Neisseria gonorrhoeae</i> , Journal of Bacteriology, May 1989, pp. 2499-2505, Vol. 171, No. 5, American Society for Microbiology	
	A7	Forbes, Crossflow Microfiltration, Australian Journal of Biotechnology, June 1987, pp. 30-33, Vol. 1, No. 1, National Library of Medicine	

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	A8	Frazer et al., Production, Properties and Utility of Bacterial Minicells, Current Topics in Microbiology and Immunology, 1975, pp. 1-84, 69: 1, National Library of Medicine	
	A9	Harlow et al., Cloning and Characterization of the <i>gsk</i> Gene Encoding Guanosine Kinase of <i>Escherichia coli</i> , Journal of Bacteriology, Apr. 1995, pp. 2236-2240, Vol. 177, No. 8, American Society for Microbiology	
	A10	Harry, Bacterial cell division: regulating Z-ring formation, Molecular Microbiology, 2001, pp. 795-803, Vol. 40(4), Blackwell Science Ltd.	
	A11	Hiraga et al., Chromosome Partitioning in <i>Escherichia coli</i> : Novel Mutants Producing Anucleate Cells, Journal of Bacteriology, Mar. 1989, pp. 1496-1505, Vol. 171, No. 3, American Society for Microbiology	
	A12	Hu et al., Topological regulation of cell division in <i>Escherichia coli</i> involves rapid pole to pole oscillation of the division inhibitor MinC under the control of MinD and MinE, Molecular Microbiology, 1999, pp. 82-90, Vol. 34(1), Blackwell Science Ltd.	
	A13	Ireton et al., <i>spo0J</i> Is Required for Normal Chromosome Segregation as well as the Initiation of Sporulation in <i>Bacillus subtilis</i> , Journal of Bacteriology, Sept. 1994, pp. 5320-5329, Vol. 176, No. 17, American Society for Microbiology	
	A14	Katsui et al., Heat-Induced Blebbing and Vesiculation of the Outer Membrane of <i>Escherichia coli</i> , Journal of Bacteriology, Sept. 1982, pp. 1523-1531, Vol. 151, No. 3, American Society for Microbiology	
	A15	Kihara et al., Analysis of a FliM-FliN Flagellar Switch Fusion Mutant of <i>Salmonella typhimurium</i> , Journal of Bacteriology, Aug. 1996, pp. 4582-4589, Vol. 178, No. 15, American Society for Microbiology	
	A16	Levin et al., Identification of <i>Bacillus subtilis</i> Genes for Septum Placement and Shape Determination, Journal of Bacteriology, Nov. 1992, pp. 6717-6728, Vol. 174, No. 21, American Society for Microbiology	
	A17	Matsuzaki et al., Interactions of an antimicrobial peptide, magainin 2, with outer and inner membranes of Gram-negative bacteria, BBA, 1997, pp. 119-130, Vol. 1327, Elsevier Science B.V.	

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	A18	Okada et al., Possible function of the cytoplasmic axial filaments in chromosomal segregation and cellular division of <i>Escherichia coli</i> , Science Progress, 1993/94, pp. 253-264, Vol. 77(3/4),	
	A19	Okada et al., Cytoplasmic Axial Filaments in <i>Escherichia coli</i> Cells: Possible Function in the Mechanism of Chromosome Segregation and Cell Division, Journal of Bacteriology, Feb. 1994, pp. 917-922, Vol. 176, No. 3, American Society for Microbiology	
	A20	Raskin et al., MinDE-Dependent Pole-to-Pole Oscillation of Division Inhibitor MinC in <i>Escherichia coli</i> , Journal of Bacteriology, Oct. 1999, pp. 6419-6424, Vol. 181, No. 20, American Society for Microbiology	
	A21	Reeve, Use of Minicells for Bacteriophage-Directed Polypeptide Synthesis, Methods in Enzymology, 1979, pp. 493-503, Vol. 68, Academic Press, NYC, USA	
	A22	Reeve et al., Bacteriophage SPO1-Induced Macromolecular Synthesis in Minicells of <i>Bacillus subtilis</i> , Journal of Bacteriology, June 1975, pp. 1308-1316, Vol. 15, No. 6, American Society for Microbiology	
	A23	Sancar et al., Simple Method for Identification of Plasmid-Coded Proteins, Journal of Bacteriology, Jan. 1979, pp. 692-693, Vol. 137, No. 1	
	A24	Stewart et al., Genetic and Morphological Characterization of an <i>Escherichia coli</i> Chromosome Segregation Mutant, Journal of Bacteriology, July 1992, pp. 4513-4516, Vol. 174, No. 13, American Society for Microbiology	
	A25	Wachi et al., New <i>mre</i> Genes <i>mreC</i> and <i>mreD</i> , Responsible for Formation of the Rod Shape of <i>Escherichia coli</i> Cells, Journal of Bacteriology, Dec. 1989, pp. 6511-6516, Vol. 171, No. 12, American Society for Microbiology	

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